IN THE CLAIMS

1. (Cancel without prejudice or disclaimer)

2. (Currently Amended) A plug-in unit assembly comprising instrument transformers, including a case assembly comprising a connector assembly, and a plug-in unit comprising at least one instrument transformer and configured to be connected to the case assembly, whereby, when the plug-in unit is being inserted into the case assembly, said at least one instrument transformer is configured to be connected to the connector assembly and is selected from a set comprising current transformers and voltage transformers, wherein the set from which said at least one instrument transformer of the plug-in unit is selected is composed of instrument transformers coded in such a manner that the codings of the current transformers and the voltage transformers are different, and in that the connector assembly is capable of identifying the type of said at least one instrument transformer based on its coding when the plug-in unit is being connected to the case assembly, and ~~An assembly as claimed in claim 1,~~ wherein the assembly is arranged such that the connection of the plug-in unit for the first time to the case assembly achieves changes in the connector assembly[[,]] which are based on a type identification carried out based on the coding of the instrument transformers, and which, when the plug-in unit connected to the case assembly is being detached from the case assembly, cause the connector assembly to short

the current circuit corresponding to each current transformer and to leave open the voltage circuit corresponding to each voltage transformer.

3.-4 (Cancel without prejudice or disclaimer)

5. (Currently Amended) A plug-in unit assembly comprising instrument transformers, including a case assembly comprising a connector assembly, and a plug-in unit comprising at least one instrument transformer and configured to be connected to the case assembly, whereby, when the plug-in unit is being inserted into the case assembly, said at least one instrument transformer is configured to be connected to the connector assembly and is selected from a set comprising current transformers and voltage transformers, wherein the set from which said at least one instrument transformer of the plug-in unit is selected is composed of instrument transformers coded in such a manner that the codings of the current transformers and the voltage transformers are different, and in that the connector assembly is capable of identifying the type of said at least one instrument transformer based on its coding when the plug-in unit is being connected to the case assembly, and the assembly is arranged such that when the plug-in unit is connected for the first time to the case assembly, changes occur in the connector assembly of the case assembly, which in the future prevent the connection of such a plug-in unit to the case assembly that comprises a different combination of current transformers and voltage transformers than did the plug-in unit that was connected to the case assembly for the first time, and ~~An assembly~~

~~as claimed in claim 4,~~ wherein for each instrument transformer to be connected thereto, the connector assembly comprises a short-circuit element and a pair of contacts, the first contact being configured to be connected to a first terminal of the corresponding instrument transformer, and the second contact being configured to be connected to a second terminal of the instrument transformer, whereby, when the plug-in unit is connected for the first time to the case assembly, the short-circuit element corresponding to each voltage transformer switches to an operational state wherein it does not short the corresponding pair of contacts in any situation, whereas the short-circuit element corresponding to each current transformer switches to an operational state wherein it shorts the corresponding pair of contacts when the plug-in unit is being detached from the case assembly, and, correspondingly, when the plug-in unit is being connected to the case assembly, removes the short circuiting of the pair of contacts, allowing the current circuit to circulate via the current transformer.

6. (Currently Amended) A plug-in unit assembly comprising instrument transformers, including a case assembly comprising a connector assembly, and a plug-in unit comprising at least one instrument transformer and configured to be connected to the case assembly, whereby, when the plug-in unit is being inserted into the case assembly, said at least one instrument transformer is configured to be connected to the connector assembly and is selected from a set comprising current transformers and

voltage transformers, wherein the set from which said at least one instrument transformer of the plug-in unit is selected is composed of instrument transformers coded in such a manner that the codings of the current transformers and the voltage transformers are different, and in that the connector assembly is capable of identifying the type of said at least one instrument transformer based on its coding when the plug-in unit is being connected to the case assembly, and the assembly is arranged such that when the plug-in unit is connected for the first time to the case assembly, changes occur in the connector assembly of the case assembly, which in the future prevent the connection of such a plug-in unit to the case assembly that comprises a different combination of current transformers and voltage transformers than did the plug-in unit that was connected to the case assembly for the first time, and ~~An assembly as claimed in claim 4,~~ wherein each short-circuit element comprises a substantially cylindrical body, a short-circuit bit configured to short the pair of contacts corresponding to said short-circuit element when necessary, a spring means configured to push the short-circuit bit outwards substantially in the radial direction of the body, and a rotating means configured to rotate the short-circuit element around the axis of rotation of the cylindrical body.

7. (Previously Presented) An assembly as claimed in claim 5, wherein the body of the short-circuit element comprises a cavity configured to receive the spring means and the short-circuit bit at least partly.

8. (Currently Amended) A plug-in unit assembly comprising instrument transformers, including a case assembly comprising a connector assembly, and a plug-in unit comprising at least one instrument transformer and configured to be connected to the case assembly, whereby, when the plug-in unit is being inserted into the case assembly, said at least one instrument transformer is configured to be connected to the connector assembly and is selected from a set comprising current transformers and voltage transformers, wherein the set from which said at least one instrument transformer of the plug-in unit is selected is composed of instrument transformers coded in such a manner that the codings of the current transformers and the voltage transformers are different, and in that the connector assembly is capable of identifying the type of said at least one instrument transformer based on its coding when the plug-in unit is being connected to the case assembly, and the coding of the different kinds of instrument transformers is implemented by the coil body structures of the current transformers and the voltage transformers being different from each other, and ~~An assembly as claimed in claim 3,~~ wherein the coil body structure of each instrument transformer comprises a coding bracket, which, seen from a given direction, is shaped like a rectangle whose one front corner is bevelled such that the bevelled part extends at least up to the imagined midline of the coding bracket.

9. (Previously Presented) An assembly as claimed in claim 2, wherein the coding of the different kinds of instrument transformers is implemented by the coil body structures of the current transformers and the voltage transformers being different from each other.

10. (Previously Presented) An assembly as claimed in claim 2, wherein the assembly is arranged such that when the plug-in unit is connected for the first time to the case assembly, changes occur in the connector assembly of the case assembly, which in the future prevent the connection of such a plug-in unit to the case assembly that comprises a different combination of current transformers and voltage transformers than did the plug-in unit that was connected to the case assembly for the first time.

11. (Cancel without prejudice or disclaimer)